

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2328.2003-002	APPLICATION NO. Divisional of 09/994,998	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		FIRST NAMED INVENTOR Sukant Tripathy	FILING DATE April 16, 2004	
April 15, 2004 (Use several sheets if necessary)		EXAMINER	CONFIRMATION NO.	GROUP

U.S. PATENT DOCUMENTS				
EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
AA	5,253,100		10-12-1993	Yang <i>et al.</i>
AB	5,370,825		12-06-1994	Angelopoulos <i>et al.</i>
AC	5,420,237		05-30-1995	Zemel <i>et al.</i>
AD	5,489,400		02-06-1996	Liu <i>et al.</i>
AE	6,018,018		01-25-2000	Samuelson <i>et al.</i>
AF	6,150,491		11-21-2000	Akkara
AG	5,994,498		11-30-1999	Tripathy <i>et al.</i>
AH	5,143,828		09-01-1992	Akkara <i>et al.</i>
AI	5,711,867		01-27-1998	Przybycien, <i>et al.</i>

FOREIGN PATENT DOCUMENTS				
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR		Tzou, K., and Gregory, R.V., "A method to prepare soluble polyaniline salt solutions - <i>in situ</i> doping of PANI base with organic dopants in polar solvents," <i>Synthetic Metals</i> , 53: 365-377 (1993).
AS		Nguyen, M.T., <i>et al.</i> , "Synthesis and properties of novel water-soluble conducting polyaniline copolymers," <i>Macromolecules</i> , 27: 3625-3631 (1994).
AT		Shannon, K. and Fernandez, J.E., "Preparation and properties of water-soluble, poly(styrenesulfonic acid)-doped polyaniline," <i>J. Chem. Soc., Chem. Comm.</i> , 643-644 (1994).
AU		Tanaka, K., <i>et al.</i> , "Doping effect of C ₆₀ on soluble polyaniline," <i>Synthetic Metals</i> , 66:193-196 (1994).

EXAMINER	<i>DNC</i>	DATE CONSIDERED	<i>Nov 80, 2004</i>
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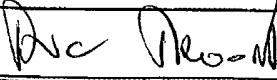
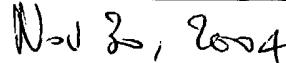
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	AV	Ferreira, M., <i>et al.</i> , "Molecular self-assembly of conjugated polyions: a new process for fabricating multilayer thin film heterostructures," <i>Thin Solid Films</i> , 244:806-809 (1994).		
	AW	Ng, S.C., <i>et al.</i> , "Poly(<i>o</i> -aminobenzylphosphonic acid): a novel water soluble, self-doped functionalized polyaniline," <i>J. Chem. Soc., Chem. Commun.</i> , 1327-1328 (1995).		
	AX	Chen, S. and Hwang, G., "Synthesis of water-soluble self-acid-doped polyaniline," <i>J. Am. Chem. Soc.</i> , 116:7939-7940 (1994).		
	AY	Chen, S. and Hwang, G., "Water-soluble self-acid-doped conducting polyaniline: structure and properties," <i>J. Am. Chem. Soc.</i> , 117:10055-10062 (1995).		
	AZ	Chan, H.S.O., <i>et al.</i> , "A new water-soluble, self-doping conducting polyaniline from poly(<i>o</i> -aminobenzylphosphonic acid) and its sodium salts: synthesis and characterization," <i>J. Am. Chem. Soc.</i> , 117:8517-8523 (1995).		
	AR2	Dordick, J.S., <i>et al.</i> , "Peroxidases depolymerize lignin in organic media but not in water," <i>Proc. Natl. Acad. Sci. USA</i> , 83:6255-6257 (1986).		
	AS2	Dordick, J.S., <i>et al.</i> , "Polymerization of phenols catalyzed by peroxidase in nonaqueous media," <i>Biotechnology and Bioengineering</i> , 30:31-36 (1987).		
	AT2	Kazandjian, R. Z., <i>et al.</i> , "Enzymatic analyses in organic solvents," <i>Biotechnology and Bioengineering</i> , 28:417-421 (1986).		
	AU2	Klibanov, A.M. <i>et al.</i> , "Enzymatic removal of toxic phenols and anilines from waste waters," <i>J. Appl. Biochem.</i> , 2:414-421 (1980).		
	AV2	Sakaki, J., <i>et al.</i> , "Lipase-catalyzed asymmetric synthesis of 6-(3-chloro-2-hydroxypropyl)-1,3-dioxin-4-ones and their conversion to chiral 5,6-epoxyhexanoates," <i>Tetrahedron: Asymmetry</i> , 2:343-346 (1991).		
	AW2	Ikeda, R., <i>et al.</i> , "Novel synthetic pathway to a poly (phenylene oxide). Laccase-catalyzed oxidative polymerization of syringic acid," <i>Macromolecules</i> , 29: 3053-3054 (1996).		
	AX2	Akkara, J.A., <i>et al.</i> , "Synthesis and characterization of polymers produced by horseradish peroxidase in dioxane," <i>J. Polymer Sci.: Part A: Polymer Chemistry</i> , 29:1561-1574 (1991).		
	AY2	Klibanov, A.M. and Morris, E.D., "Horseradish peroxidase for the removal of carcinogenic aromatic amines from water," <i>Enzyme Microb. Technol.</i> , 3:119-122 (1981).		

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AZ2	Ayyagari, M.S., <i>et al.</i> , "Controlled free-radical polymerization of phenol derivatives by enzyme-catalyzed reactions in organic solvents," <i>Macromolecules</i> , 28:5192-5197 (1995).	
	AR3	Bruno, F.F., <i>et al.</i> , "Enzymatic mediated synthesis of conjugated polymers at the Langmuir trough air-water interface," <i>Langmuir</i> , 11:889-892 (1995).	
	AS3	Lapkowski, M., "Electrochemical synthesis of linear polyaniline in aqueous solutions," <i>Synthetic Metals</i> , 35:169-182 (1990).	
	AT3	March, J., in <i>Advanced Organic Chemistry - Reactions, Mechanisms, and Structure</i> (NY: Magraw-Hill Company), pp.667, 668 (1977).	
	AU3	Shinohara, H., <i>et al.</i> , "Enzyme microsensor for glucose with an electro-chemically synthesized enzyme-polyaniline film," <i>Sensors and Actuators</i> , 13:79-86 (1988).	
	AV3	Alva, K.S., <i>et al.</i> , "Biochemical synthesis of water soluble polyanilines: poly(<i>p</i> -aminobenzoic acid)," <i>Macromol. Rapid Comm.</i> , 17:859-863 (1996).	
	AW3	Liao, Y., and Levon, K., "Solubilization of polyaniline in water by interpolymer complexation," <i>Macromol. Rapid Commun.</i> , 16: 393-397 (1995).	
	AX3	Excerpts from "Plastics Engineering: Plastics - Saving Planet Earth," Volume LIII, Number 3 (Toronto; March, 1997).	
	AY3	Westerweele, E., <i>et al.</i> , "'Inverted' Polmer Light-Emitting Diodes on Cylindrical Metal Substrates," <i>Advanced Materials</i> , 7(9):788-790 (1995).	
	AZ3	Ryu, K., <i>et al.</i> , "Peroxidase-Catalyzed Polymerization of Phenols: Kinetics of <i>p</i> -Cresol Oxidation in Organic Media," <i>American Chemical Society Symp. Ser.</i> , 389:141-157 (1989).	
	AR4	Alva, K.S., <i>et al.</i> , "Novel Immobilization Techniques in the Fabrication of Efficient Electrochemical Biosensors," <i>SPIE</i> , 2716: 152-163(1996).	
	AS4	Genies, E.M., <i>et al.</i> , "A rechargeable battery of the type polyaniline/propylene carbonate -LiClO ₄ /Li-Al," <i>Journal of Applied Electrochemistry</i> 18:751-756 (1988)	
	AT4	Samuelson, L.A., <i>et al.</i> , "Biologically Derived Conducting and Water Soluble Polyaniline," <i>Macromolecules</i> 31:4376-4378 (1998).	

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	AU4	Liu, W., <i>et al.</i> , "Enzymatically Synthesized Conducting Polyaniline," <i>J. Am. Chem. Soc.</i> 121:71-78 (1999).	
	AV4	Zhang, Q.M., <i>et al.</i> , "Enzymatic Template Synthesis of Polyphenol," <i>Materials Research Society</i> 600:255-259 (2000)	
	AW4	Akkara, J.A., <i>et al.</i> , "Hematin-Catalyzed Polymerization of Phenol Compounds," <i>Macromolecules</i> 33:2377-2382 (2000).	
	AX4	Dordick, J. S., "Enzymatic catalysis in monophasic organic solvents," <i>Enzyme Microbial Technology</i> 11: 194-211 (1989).	
	AY4	Dunford, H.B., "Horseradish Peroxidase: Structure and Kinetic Properties," In <i>Peroxidases in Chemistry and Biology Vol. II</i> , J. Everse, <i>et al.</i> , eds (FL: CRC Press, Inc.), pp 2-17 (1991).	
	AZ4	Wudl, F., <i>et al.</i> , "Poly(<i>p</i> -phenyleneamineimine): Synthesis and Comparison to Polyaniline" <i>J. Am. Chem. Soc.</i> 109:3677-3684 (1987).	
	ARS	Stafström, S., <i>et al.</i> , "Polaron Lattice in Highly Conducting Polyaniline: Theoretical and Optical Studies," <i>The American Physical Society</i> 59:1464-1467 (1987).	
	ASS	Shacklette, L.W., <i>et al.</i> , "EMI Shielding of Intrinsically Conductive Polymers," <i>In Search of Excellence by Society of Plastic Engineers and Plastics Engineering</i> 665-667 (1991).	
	ATS	Przybycien, P.R., <i>et al.</i> , "Electrochemical Separation Utilizing Metalloporphyrins and Metallophthalocyanines," <i>Chem. Abstract</i> , 128: 162418 (1998).	

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